

APPENDIX B

Supporting Figures and Tables

Sources: Data for the tables and graphs in this appendix were aggregated from the individual utility tables contained in Appendix A.

Table B-1: Utility Electricity Savings Goals Compared to 2016 Consumption

	Cumulative Proposed Energy Savings Goals (MWh)		Forecasted Electrical Consumption (MWh)		10-yr Total Proposed Savings Goals (MWh)	Savings as % of Growth	Savings as % of Consumption in 2016	Reduction Needed to Meet 10% Target (MWh)	Difference between Proposed Savings Goals and 10% Target	
	2007	2016	2007	2016					MWh	%
Publicly Owned Utilities										
Alameda	760	7,605	407,300	469,700	7,605	12%	2%	46,970	(39,365)	-84%
Araheim*	15,897	167,682	2,636,957	2,941,017	167,682	55%	6%	294,102	(126,420)	-43%
Azusa	2,084	20,840	255,000	291,564	20,840	57%	7%	29,156	(8,316)	-29%
Banning	873	8,734	156,164	197,618	8,734	21%	4%	19,762	(11,028)	-56%
Biggs	106	1,063	16,974	18,701	1,063	62%	6%	1,870	(807)	-43%
Burbank*	11,307	113,073	1,130,727	1,241,816	113,073	102%	9%	124,182	(11,109)	-9%
Colton	2,625	26,254	374,497	488,634	26,254	23%	5%	48,863	(22,610)	-46%
Corona	467	4,669	68,348	89,178	4,669	22%	5%	8,918	(4,249)	-48%
Glendale*	11,362	113,620	1,136,175	1,140,000	113,620	2970%	10%	114,000	(380)	0%
Gridley	92	917	36,798	47,227	917	9%	2%	4,723	(3,806)	-81%
Healdsburg	198	1,984	76,345	84,864	1,984	23%	2%	8,486	(6,502)	-77%
Hercules	136	1,364	16,596	18,151	1,364	88%	8%	1,815	(451)	-25%
Imperial Irrigation District*	-	405,600	3,517,000	4,640,497	405,600	36%	9%	464,050	(58,450)	-13%
Industry	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lassen Municipal Utility District	733	7,333	145,285	167,596	7,333	33%	4%	16,760	(9,427)	-56%
Lodi	2,000	20,001	473,890	557,864	20,001	24%	4%	55,786	(35,785)	-64%
Lompoc	1,121	11,210	140,308	152,465	11,210	92%	7%	15,246	(4,037)	-26%
Los Angeles DWP*	114,000	2,026,000	23,842,000	25,927,000	2,026,000	97%	8%	2,592,700	(566,700)	-22%
Merced	3,619	36,195	405,448	575,253	36,195	21%	6%	57,525	(21,331)	-37%
Modesto Irrigation District*	13,856	138,557	2,761,835	3,452,432	138,557	20%	4%	345,243	(206,686)	-60%
Moreno Valley	822	8,221	46,499	109,642	8,221	13%	7%	10,964	(2,743)	-25%
Needles	817	8,173	66,377	79,200	8,173	64%	10%	7,920	253	3%
Palo Alto	-	29,300	987,114	1,005,385	29,300	160%	3%	100,539	(71,239)	-71%
Pasadena*	5,000	181,260	1,273,050	1,452,040	181,260	101%	12%	145,204	36,056	25%
Pittsburg Power/ Island Energy	178	1,777	17,845	21,326	1,777	51%	8%	2,133	(356)	-17%
Pumas Sierra	621	6,209	168,486	202,378	6,209	18%	3%	20,238	(14,029)	-69%
Port of Oakland	884	8,837	81,173	108,238	8,837	33%	8%	10,824	(1,987)	-18%
Rancho Cucamonga	448	4,478	60,300	78,100	4,478	25%	6%	7,810	(3,332)	-43%
Redding*	1,251	23,249	814,516	972,357	23,249	15%	2%	97,236	(73,987)	-76%
Riverside*	22,210	240,380	2,221,000	2,587,000	240,380	66%	9%	258,700	(18,320)	-7%
Roseville*	8,716	87,162	1,242,990	1,569,010	87,162	27%	6%	156,901	(69,739)	-44%
Sacramento Municipal Utility District*	70,000	1,784,000	11,578,000	13,919,548	1,784,000	76%	13%	1,391,955	392,045	28%
Shasta Lake	129	1,292	75,293	82,347	1,292	18%	2%	8,235	(6,942)	-84%
Silicon Valley Power*	25,762	257,620	2,883,721	3,356,218	257,620	55%	8%	335,622	(78,002)	-23%
Trinity	-	-	96,768	105,301	-	0%	0%	10,530	(10,530)	-100%
Truckee Donner	1,001	10,014	153,803	184,710	10,014	32%	5%	18,471	(8,457)	-46%
Turlock Irrigation District*	7,824	139,990	1,959,315	2,335,702	139,990	37%	6%	233,570	(93,580)	-40%
Ukiah	198	1,979	120,366	131,296	1,979	18%	2%	13,130	(11,150)	-85%
Vernon	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Subtotals	327,100	5,906,641	61,444,264	70,801,375	5,906,641	63%	8%	7,080,138	(1,173,496)	-17%
Investor Owned Utilities										
Pacific Gas & Electric	-	9,449,000	85,883,878	94,946,989	9,449,000	104%	10%	9,494,699	(45,699)	0%
San Diego Gas & Electric	-	1,899,700	20,276,558	22,478,573	1,899,700	86%	8%	2,247,857	(348,157)	-15%
Southern California Edison	-	9,236,000	86,911,146	96,033,274	9,236,000	101%	10%	9,603,327	(367,327)	-4%
Subtotals	-	20,584,700	193,071,583	213,458,836	20,584,700	101%	10%	21,345,884	(761,184)	-4%
IOU and POU	327,100	26,491,341	254,515,847	284,260,212	26,491,341	89%	9%	28,426,021	(1,934,680)	-7%
Big 13 POU*	307,185	5,678,193	56,997,286	65,534,637	5,678,193	67%	9%	6,553,464	(875,271)	-13%
Small 26 POU	19,915	228,448	4,446,978	5,266,738	228,448	28%	4%	526,674	(298,226)	-57%
Big 13 POU as % of POU*	94%	96%	93%	93%	96%			93%	75%	
Small 26 POU as % of POU	6%	4%	7%	7%	4%			7%	25%	
Big 13 POU as % of IOU*		28%	30%	31%	28%			31%	115%	
Small 26 POU as % of IOU		1%	2%	2%	1%			2%	39%	

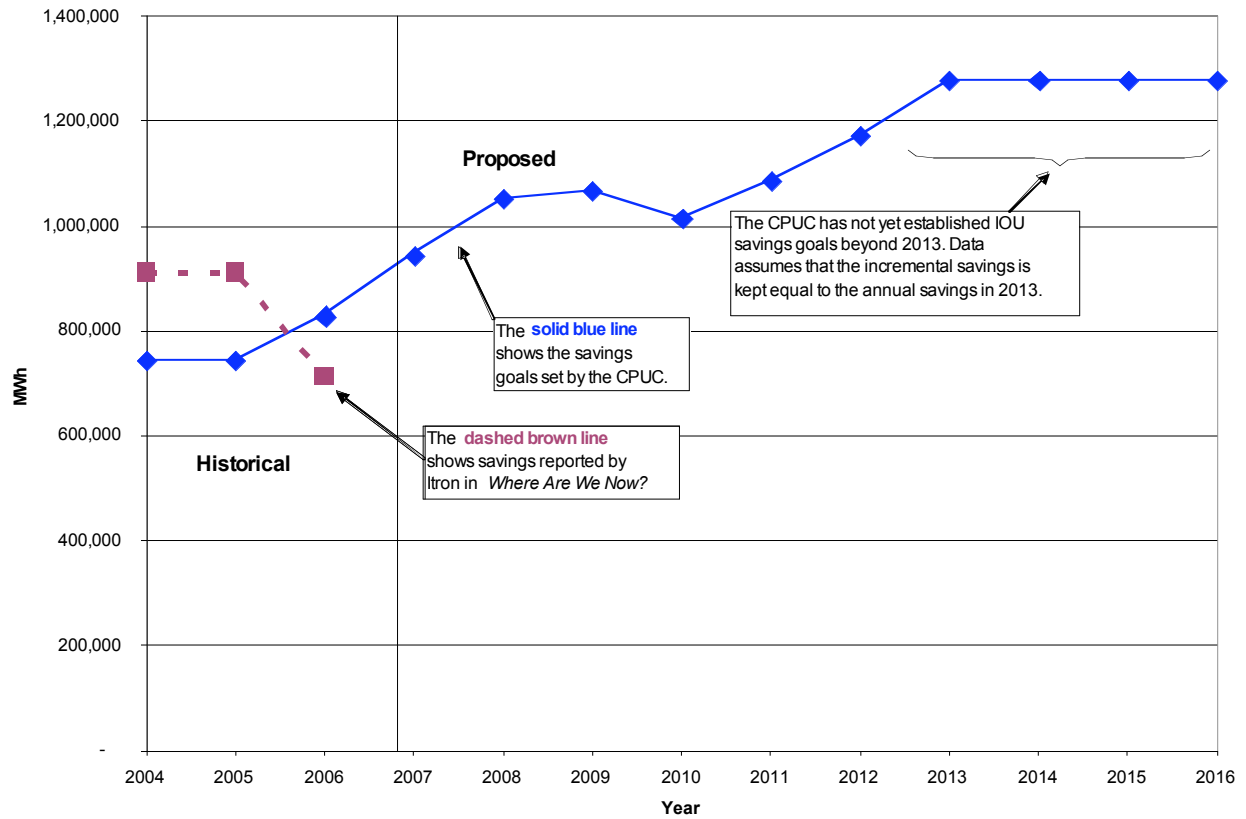
* Identifies the Big 13 POU's.

Table B-2: Proposed Peak Demand Goals by Utility

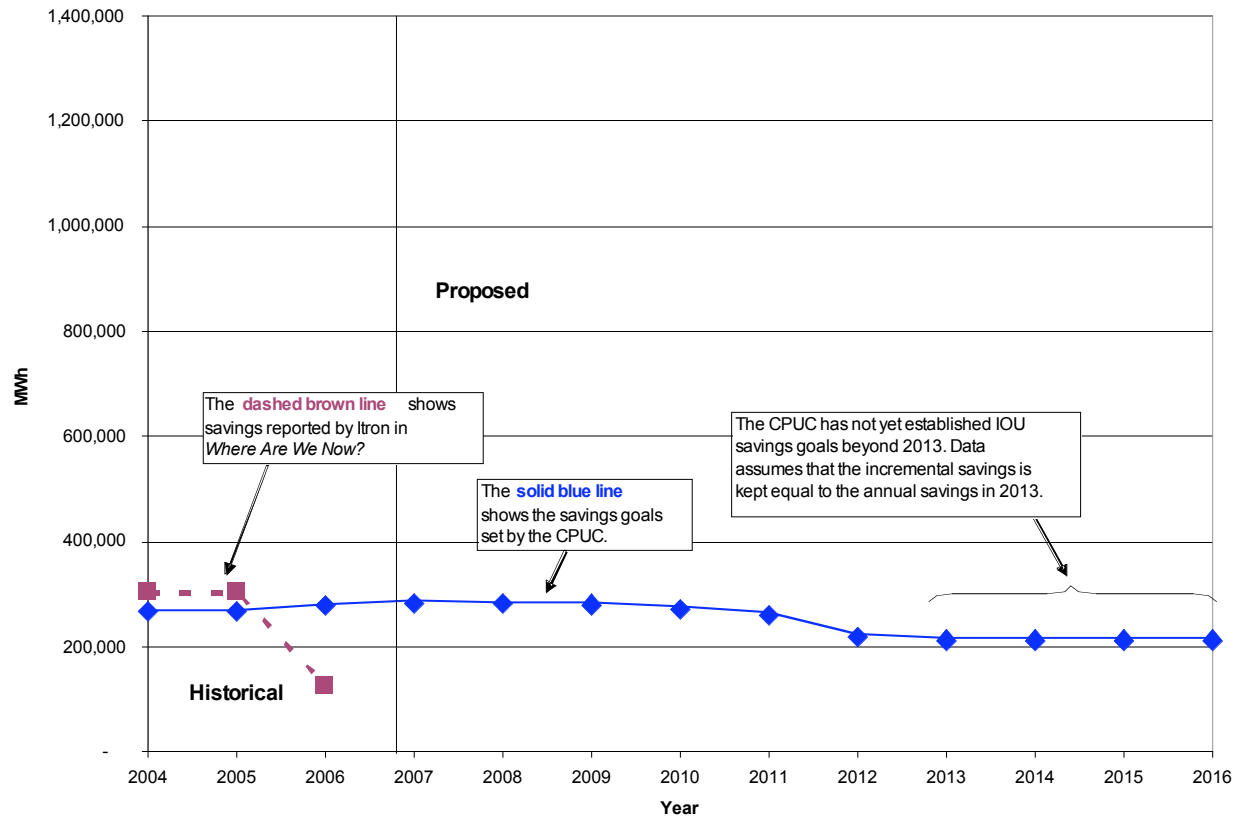
	Cumulative Proposed Demand Reduction Goals (MW)		Forecasted Electrical Demand (MW)		10-yr Total Proposed Demand Savings Goals (MW)	Savings as % of Growth	Savings as a % of Peak Demand in 2016	Reduction Needed to Meet 10% Target (MW)	Difference Between Proposed Savings and 10% Target	
	2007	2016	2007	2016					MW	%
Publicly Owned Utilities										
Alameda	0	1	70	80	1	9%	1%	8	(7.1)	-89%
Anaheim*	3	35	554	611	35	62%	6%	61	(25.8)	-42%
Azusa	0	2	64	73	2	26%	3%	7	(4.9)	-67%
Banning	0	1	49	64	1	8%	2%	6	(5.2)	-81%
Biggs	0	0	4	5	0	38%	3%	0	(0.3)	-65%
Burbank*	2	24	294	312	24	135%	8%	31	(7.0)	-22%
Colton	0	3	90	117	3	10%	2%	12	(8.9)	-76%
Corona	0	1	14	18	1	14%	3%	2	(1.2)	-68%
Glendale*	1	13	336	336	13	n/a	4%	34	(20.6)	-61%
Gridley	0	0	12	15	0	3%	1%	2	(1.4)	-92%
Healdsburg	0	0	21	23	0	10%	1%	2	(2.1)	-90%
Hercules	0	0	3	3	0	65%	6%	0	(0.1)	-44%
Imperial Irrigation District*	-	55	990	1,367	55	15%	4%	137	(81.7)	-60%
Industry	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lassen Municipal Utility District	0	1	26	30	1	23%	3%	3	(2.1)	-69%
Lodi	0	2	134	158	2	10%	2%	16	(13.3)	-84%
Lompoc	0	1	26	28	1	63%	5%	3	(1.5)	-55%
Los Angeles DWP*	20	420	5,557	6,046	420	86%	7%	605	(184.6)	-31%
Merced	0	4	82	113	4	14%	4%	11	(6.9)	-61%
Modesto Irrigation District*	2	16	700	895	16	8%	2%	90	(73.6)	-82%
Moreno Valley	0	1	17	39	1	5%	3%	4	(2.8)	-73%
Needles	0	1	20	26	1	23%	5%	3	(1.4)	-53%
Palo Alto	-	2	185	190	2	40%	1%	19	(16.9)	-89%
Pasadena*	1	22	307	335	22	78%	6%	34	(11.8)	-35%
Pittsburg Power/ Island Energy	0	0	4	5	0	33%	6%	1	(0.2)	-42%
Plumas Sierra	0	1	30	35	1	13%	2%	4	(2.8)	-80%
Port of Oakland	0	1	13	17	1	26%	6%	2	(0.6)	-36%
Rancho Cucamonga	0	1	13	16	1	15%	3%	2	(1.1)	-66%
Redding*	0	4	252	376	4	3%	1%	38	(33.9)	-90%
Riverside*	2	22	562	655	22	24%	3%	66	(43.2)	-66%
Roseville*	1	11	328	412	11	13%	3%	41	(30.7)	-74%
Sacramento Municipal Utility District*	18	518	3,060	3,671	518	85%	14%	367	150.9	41%
Shasta Lake	0	0	18	20	0	8%	1%	2	(1.9)	-93%
Silicon Valley Power*	3	30	472	544	30	41%	5%	54	(24.6)	-45%
Trinity	-	-	17	19	-	0%	0%	2	(1.9)	-100%
Truckee Donner	0	1	37	44	1	16%	3%	4	(3.3)	-74%
Turlock Irrigation District*	1	16	476	564	16	18%	3%	56	(40.4)	-72%
Ukiah	0	0	37	41	0	6%	1%	4	(3.9)	-95%
Vernon	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Subtotals	57	1,212	14,873	17,304	1,212	50%	7%	1,730	(518.9)	-30%
Investor Owned Utilities										
Pacific Gas & Electric	-	2,054	19,807	22,247	2,054	84%	9%	2,225	(170.7)	-8%
San Diego Gas & Electric	-	361	4,507	5,084	361	62%	7%	508	(147.6)	-29%
Southern California Edison	-	1,942	21,033	23,519	1,942	78%	8%	2,352	(409.9)	-17%
Subtotals	-	4,357	45,347	50,850	4,357	79%	9%	5,085	(728.2)	-14%
IOU and POU	57	5,568	60,220	68,154	5,568	70%	8%	6,815	(1,247.1)	-18%
Big 13 POU*	55	1,185	13,888	16,124	1,185	53%	7%	1,612	(427)	-26%
Small 26 POU	2	26	985	1,180	26	13%	2%	118	(92)	-78%
Big 13 POU as % of POU*	95.8%	98%	93%	93%	98%			93%	82%	
Small 26 POU as % of POU	4.22%	2%	7%	7%	2%			7%	18%	
Big 13 POU as % of IOU*		27%	31%	32%	27%			32%	59%	
Small 26 POU as % of IOU		0.60%	2.17%	2.32%	0.60%			2.32%	12.60%	

* Identifies the Big 13 POUs.

**Figure B-1: Pacific Gas and Electric
Historical Compared to Proposed Annual Energy Savings, 2005-2016**



**Figure B-2: San Diego Gas and Electric
Historical Compared to Proposed Annual Energy Savings, 2005-2016**



**Figure B-3: Southern California Edison
Historical Compared to Proposed Annual Energy Savings, 2005-2016**

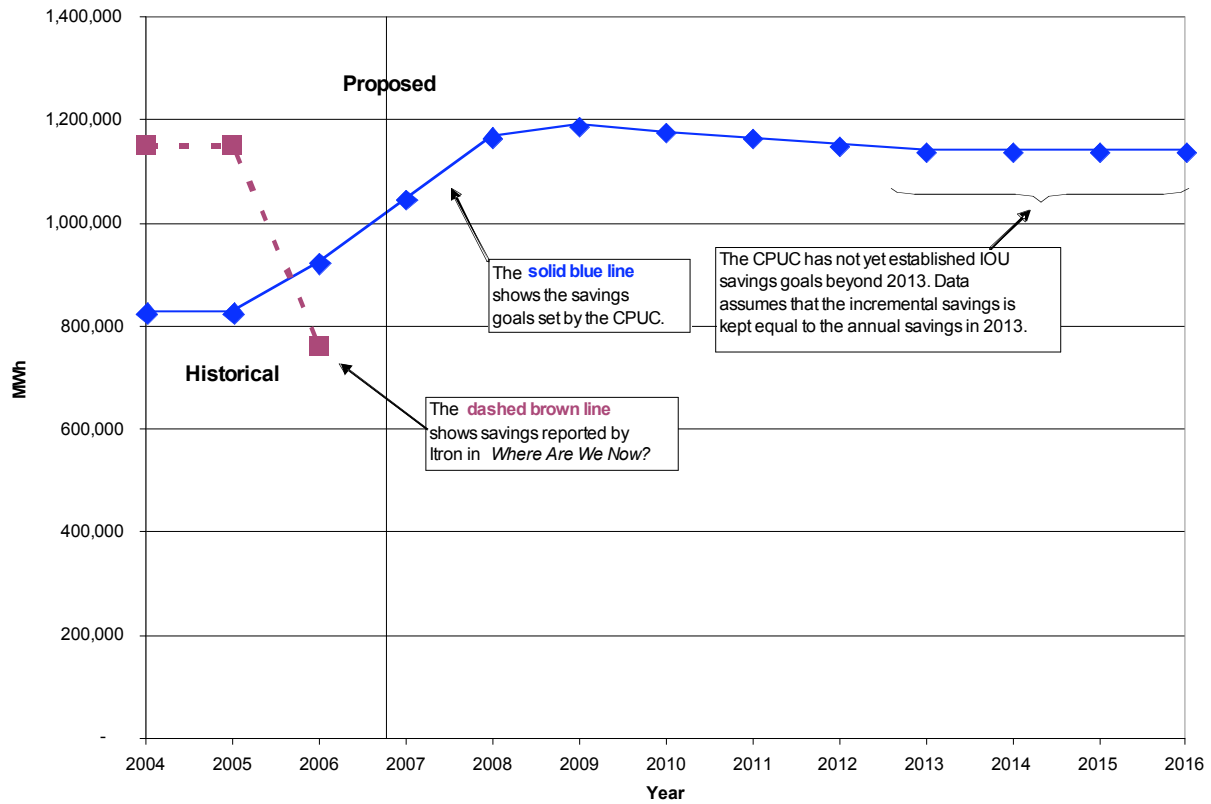


Table B-3 Ratio of Savings to Electricity Consumption in 2005

	Net Annual Savings in 2005 (MWh)	Electricity Consumption in 2005 (MWh)	Annual Savings as Percent of Consumption
Sacramento Municipal Utility District	84,963	10,485,723	0.81%
Glendale	8,463	1,104,909	0.77%
Azusa	1,897	251,266	0.76%
Burbank	5,574	1,093,700	0.51%
Redding	3,965	769,947	0.51%
Anaheim	12,766	2,553,464	0.50%
Roseville	4,569	1,159,937	0.39%
Pasadena	4,501	1,175,585	0.38%
Turlock Irrigation District	6,883	1,808,573	0.38%
Colton	943	342,569	0.28%
Lodi	889	455,238	0.20%
Palo Alto	1,877	958,571	0.20%
Silicon Valley Power	4,687	2,496,836	0.19%
Biggs	35	19,144	0.18%
Riverside	3,117	1,989,207	0.16%
Modesto Irrigation District	3,222	2,582,599	0.12%
Lompoc	138	133,838	0.10%
Alameda	279	378,333	0.07%
Banning	96	144,447	0.07%
Imperial Irrigation District	2,093	3,108,748	0.07%
Los Angeles DWP	16,561	23,400,472	0.07%
Lassen Municipal Utility District	77	127,996	0.06%
Plumas-Sierra	90	153,368	0.06%
Merced	142	345,224	0.04%
Gridley	10	32,033	0.03%
Needles	18	62,277	0.03%
Trinity	22	83,401	0.03%
Truckee Donner	47	135,919	0.03%
Shasta Lake	37	194,897	0.02%
Ukiah	22	111,894	0.02%
Corona	13	163,745	0.01%
Healdsburg	5	72,569	0.01%
Vernon	44	1,137,854	0.00%
Hercules	0	n/a	n/a
Industry	n/a	n/a	n/a
Moreno Valley	245	n/a	n/a
Pittsburg Power/Island Energy	n/a	n/a	n/a
Port of Oakland	879	n/a	n/a
Rancho Cucamonga	134	n/a	n/a